

 Instagrid



Construction

**LINK**

Extend the capabilities  
and capacity of your  
portable power supply

## New applications

Instagrid LINK is a smart power distributor that extends the features of your portable power supply and enables new and powerful applications.

Instagrid LINK is the ideal accessory for Instagrid ONE but can be used with any combination of 230 V AC power supplies.

- Island mode – combine up to 3 mobile power supplies for up to 3 x energy capacity. Hot-swap seamlessly for extended run times without the hassle of generators or extension cords.
- Continuous power source – set up a mission-critical power supply with no interruptions.
- Power up to three devices with RCD-protection without noise or exhaust fumes throughout the whole working day.



## More capacity, no interruptions

Connect two Instagrid ONE units for a double capacity of 4.2 kWh and three units for a triple capacity of 6.3 kWh, allowing you to get more done:

### 1 vs 3 units:



#### Arc welding machine 5.3 kW

1 unit:	up to 89 electrodes
3 units:	up to 267 electrodes



#### Diamond core drill 3.3 kW (Ø 150 mm)

1 unit:	approx. 32 holes
3 units:	approx. 96 holes

If you're working off-grid and you need extended run time, plug in additional unit(s) to Instagrid LINK. It will switch seamlessly from the discharged unit to the next available unit. By 'hot swapping' units in and out, island mode gives you an effectively unlimited mobile power supply.







## Set up your own backup system

Connect your Instagrid LINK to the mains power and use one or two mobile power supplies together to ensure continuous power in case of a power outage.

If a power outage occurs, Instagrid LINK switches from the mains power to your mobile power supply in under 20 ms, which ensures that even sensitive devices stay powered without noticeable interruption.

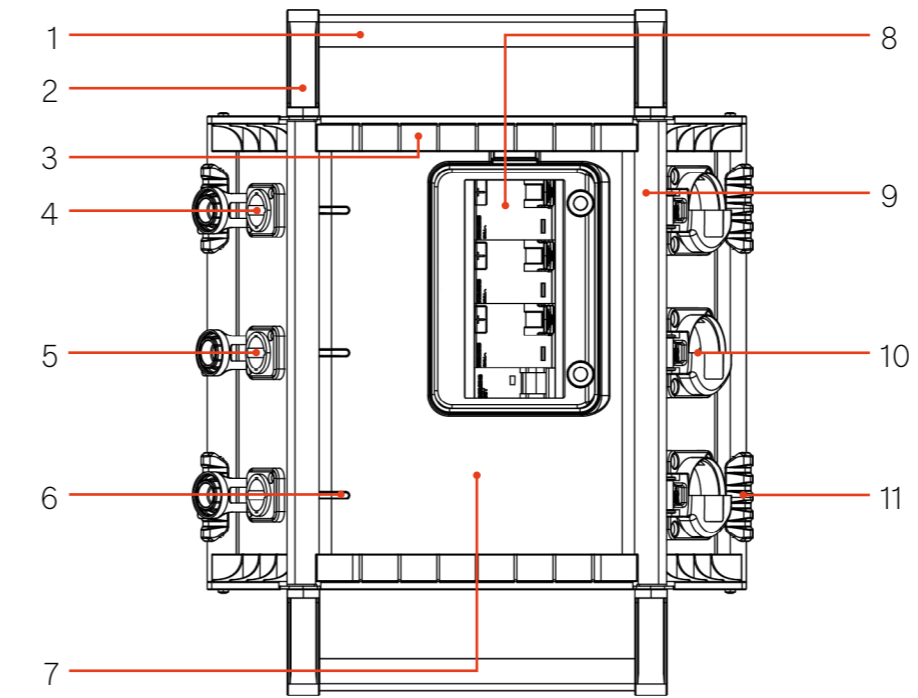
## More devices, more flexibility

Instagrid LINK lets you safely power up to three devices with a single portable power supply. Avoid unsafe use of a power strip; Instagrid LINK provides three output sockets, each RCD equipped, and helps protect against electric shock in line with the relevant standards.



Power a diamond core drill, vacuum pump and water pump simultaneously.

## Technical overview




- |  |   |
|--|---|
| 1 – Handle                                       | 7 – Housing                                   |
| 2 – Hooks for mounting on Instagrid ONE          | 8 – Fuse box<br>3 x RCD + 1 x circuit breaker |
| 3 – Bumper                                       | 9 – Steel frame                               |
| 4 – 1 x primary power input (Neutrik PowerCON)   | 10 – 3 x 230 V power output                   |
| 5 – 2 x secondary power input (Neutrik PowerCON) | 11 – Foot                                     |
| 6 – 3 x LEDs                                     |   |

## Operation and transportation

- Optimized for attaching to Instagrid ONE → hook and release (I)
- Surface mounting with screws (II)
- 4 sturdy feet for stability and grip (III)
- Solid frame for custom mounting (e.g. with velcro straps) (IV)



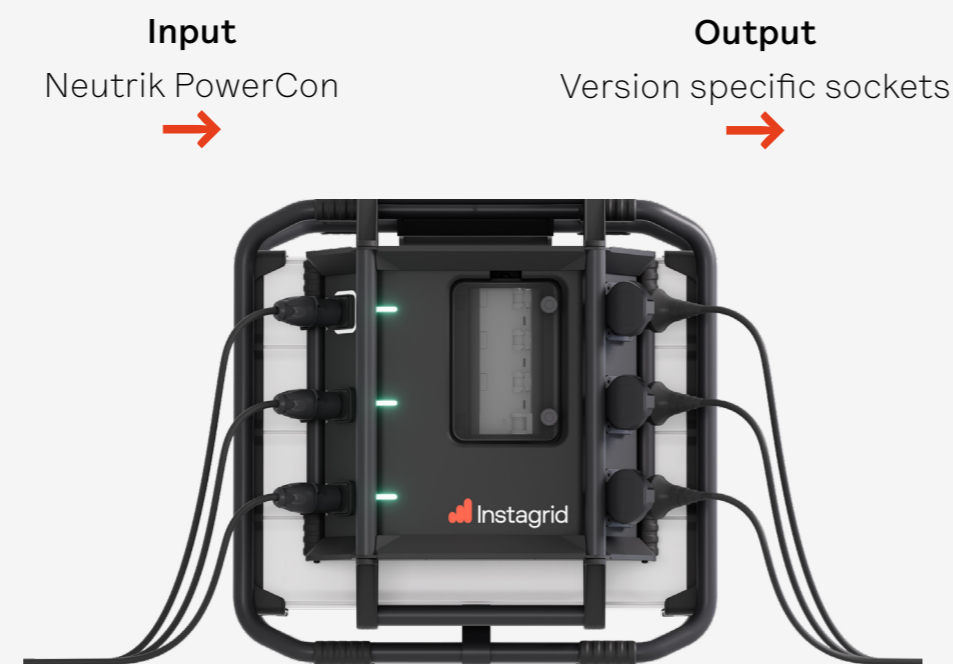
## Power inputs

- 1 x primary source (I) highlighted with laser engraving 
- 2 x secondary sources (II + III)
- The usual ONE charging cable can be used to connect Instagrid LINK to mains power
- Instagrid LINK always uses power from I when available. Otherwise it uses power from II and III
- II + III work in a "ping-pong" system → switch to another source only occurs if power from the current source ceases
- Continuous power mode: plug mains power into primary I and add 1 or 2 x Instagrid ONE units into II + III



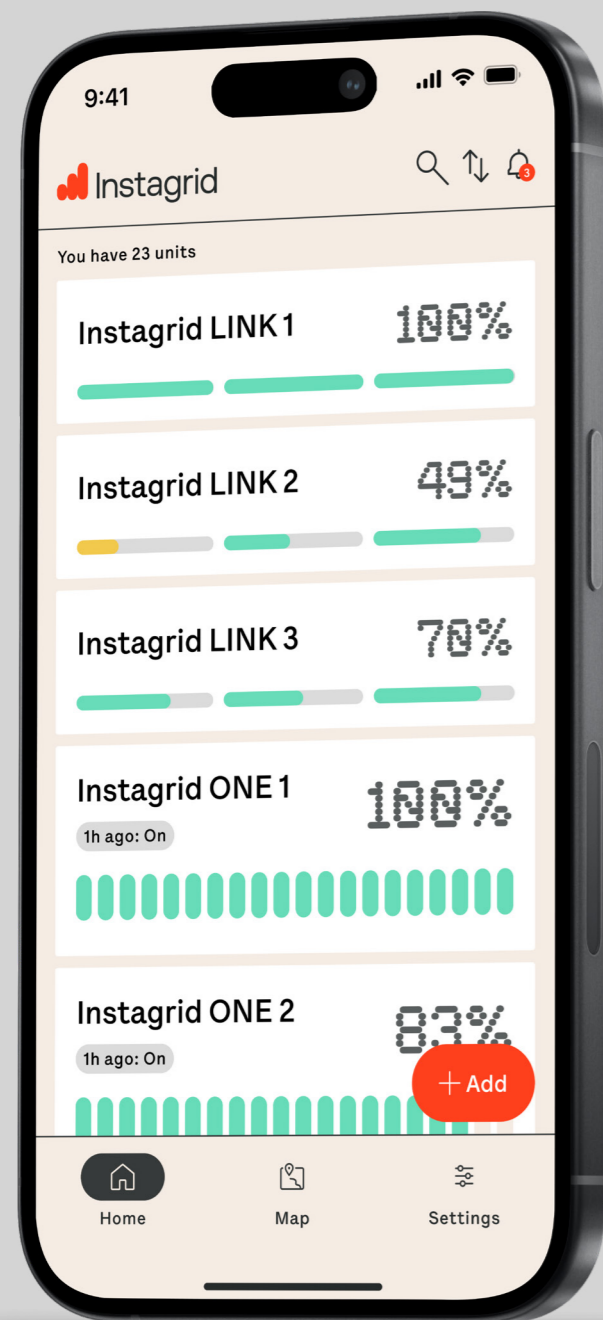
## Power outputs

- Output power and socket type vary according to country variant (compare table on the right for more information)
- All three power outlets can be used simultaneously
- Each output socket is protected by a separate RCD
- Power outputs have no hierarchy



## Technical Specifications: Instagrid LINK

Version	EU 230 V / 16 A	CH 230 V / 16 A
Product	Instagrid LINK 36 Type F (EU)	Instagrid LINK 36 Type J (CH)
Item-no.	990-00001	990-00003
<b>Operation</b>		
Output voltage	230 V AC / 50 Hz	230 V AC / 50 Hz
Output current	16 A	16 A
Switching time	< 20 ms	< 20 ms
<b>Line protection</b>		
Personal safety device	3 x 1P+N RCD type A, 30 mA	3 x 1P+N RCD type A, 30 mA
Line protection	1P B16	1P B16
<b>General information</b>		
Weight	4.5 kg	4.5 kg
IP class	IP 54	IP 54
Protection class	Class II / double-insulated	Class II / double-insulated
Operating temperature	- 15 °C to 40 °C	- 15 °C to 40 °C
Mounting	Refer to section "Operation and transportation" for mounting suggestions	
<b>Connections</b>		
Input socket	3 x Neutrik powerCON TRUE1 TOP®	
Output socket	3 x CEE 7/3 16A	3 x T23 16 A
Delivery scope	1x LINK, 1x connection cable (Neutrik to output socket)	



## Instagrid App



### Location

Monitor the real-time location of your Instagrid product(s) to keep track of them and prevent theft.

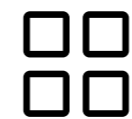


### In-depth unit information

Monitor run-time, state of charge, temperature, and location of Instagrid units.

## Fleet Management

Fully-connected experience to enhance convenience, data accessibility and safety.



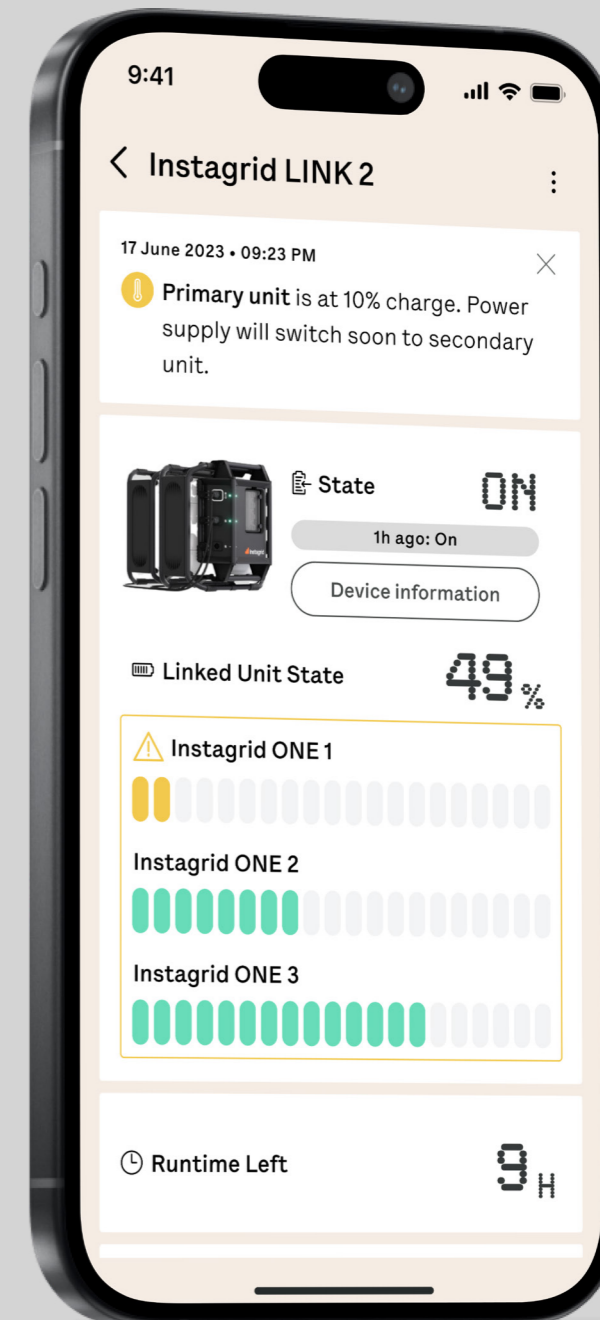
### Quick overview

The status of all your Instagrid products at a glance.



### Statistics

Aggregated data about your fleet. Keep track of your energy consumption and sustainability metrics.





# ONE POWERFUL SYSTEM

Instagrid LINK is the ideal companion to our portable power supply **Instagrid ONE**.

- Power even your most demanding tools with a grid-like performance of 3,600 W rated output and 18,000 W peak power output.
- Can be carried in one hand (20 kg).
- Suitable for use indoors or outdoors in all weather conditions (IP 54 rating).
- Fast recharging from standard 16 A 230 V supply in under 3 hours. Conveniently charge up to three Instagrid ONE units simultaneously using Instagrid LINK.





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